

Patent Abstracts of Japan

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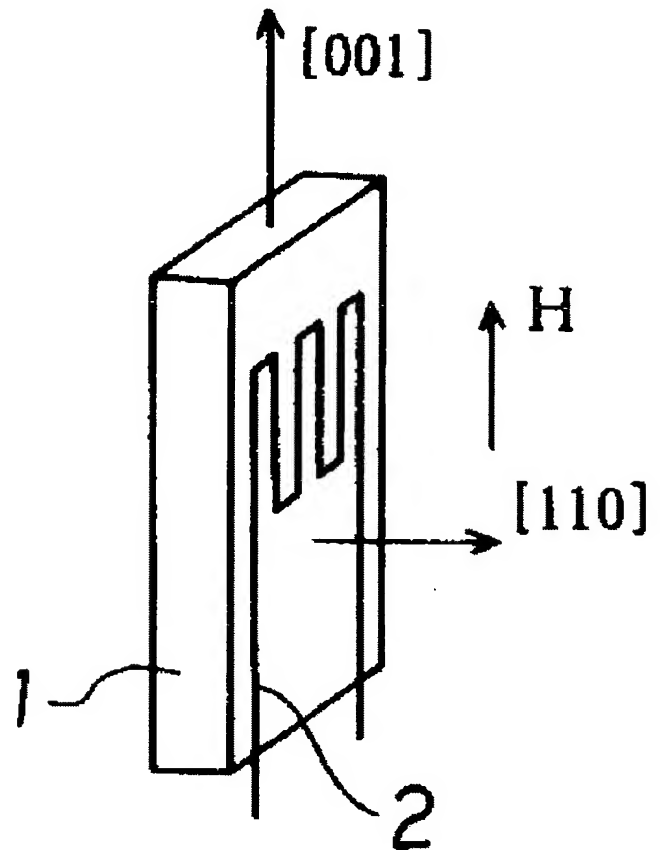
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APPLICANT : NATIONAL INSTITUTE OF ADVANCED
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TITLE : FERROMAGNETIC SHAPE MEMORY
ALLOY



ABSTRACT : PROBLEM TO BE SOLVED: To provide a ferromagnetic shape memory alloy which has excellent ductility, and has ferromagnetism, and in which martensitic transformation occurs.

SOLUTION: The ferromagnetic shape memory alloy has a composition containing, by atom, 35 to 65% Co and 20 to 35% Ga, and the balance Ni with inevitable impurities, and has a single phase structure consisting of a β phase with a B2 structure or a two phase structure consisting of a second phase with an fcc structure.

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